

1/1 - (C) WPI / DERWENT
AN - 1976-25402X [14]
PR - JP19740091704 19740809
TI - Waste liq treatment from oil extn from softwood - by exposing to air,
neutralising adding nutrient salt, activating sludge and coagulating
IW - WASTE LIQUID TREAT OIL EXTRACT SOFTWOOD EXPOSE AIR NEUTRALISE ADD
NUTRIENT SALT ACTIVATE SLUDGE COAGULATE
PA - (NAGA-N) NAGANO PREFECTURE
PN - JP51020471 A 19760218 DW197614 000pp
- JP54001095B B 19790120 DW197907 000pp
IC - B01D21/01 ; C02C5/10
AB - J51020471 Waste liquid exhausted during oil removal from softwood is
exposed to the air and neutralised, and nutrient salt is added, then
the sludge is activated and finally it is decoloured and coagulated by
use of an inorganic coagulant and a cationic organic high molecular
coagulant together, to lower BOD and pigment content. Process
provides an almost transparent liquid satisfying the waste water
quality standards provided by water pollution control laws. The
nutrient salt is obtd. by adding nitrogen and phosphorous cpds. at a
ration of BOD:N:P of 100-500: 5:1. Activation of the sludge is at pH
7.5-8.5 with liquid temps. of 10-30 degrees C with a BOD load of 0.5-3
kgOm3. Air is blown in at 100-200 l/min per each m3 of the volume of
the air-exposed vessel.